EL977116289US

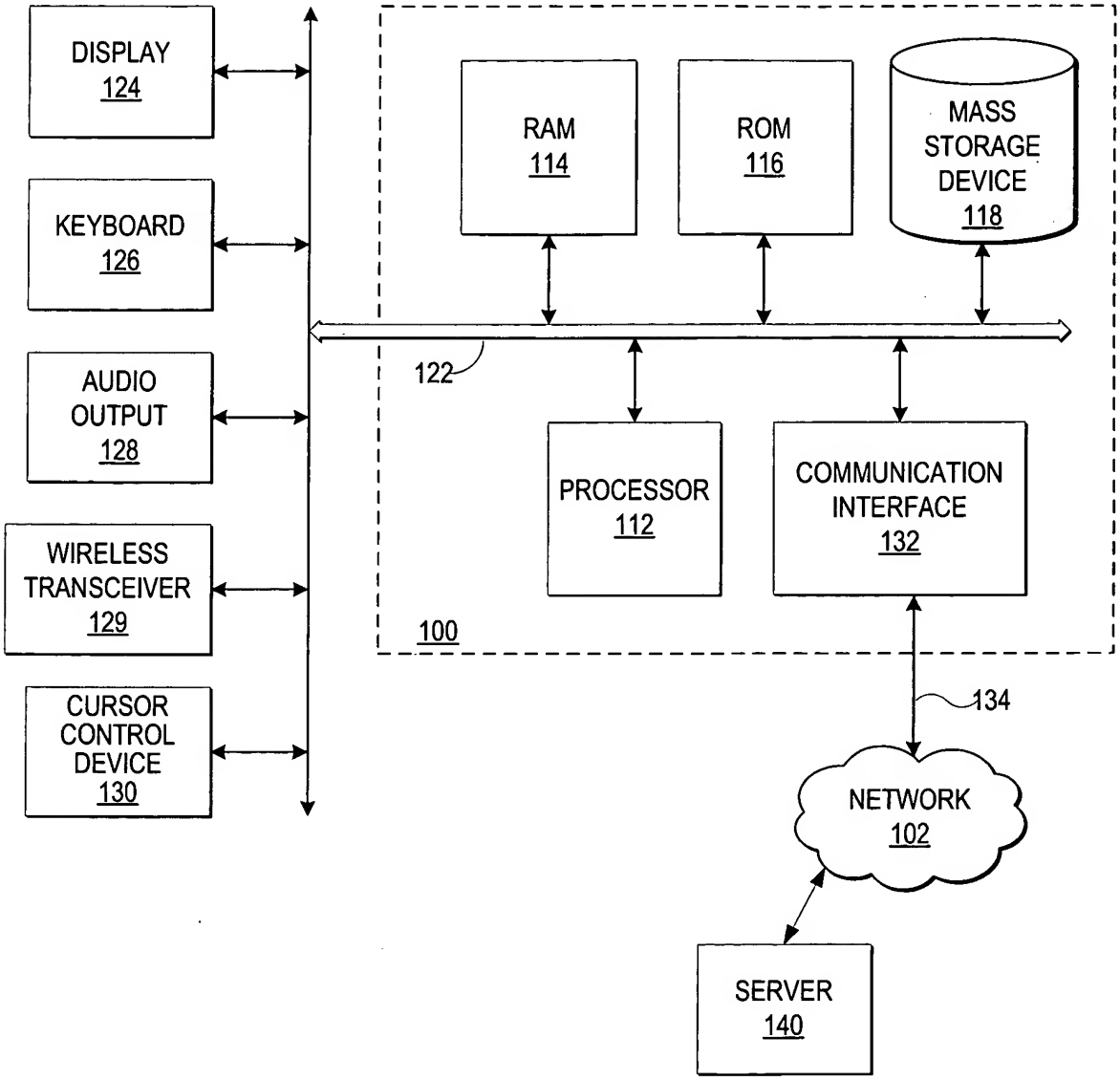

Fig. 1

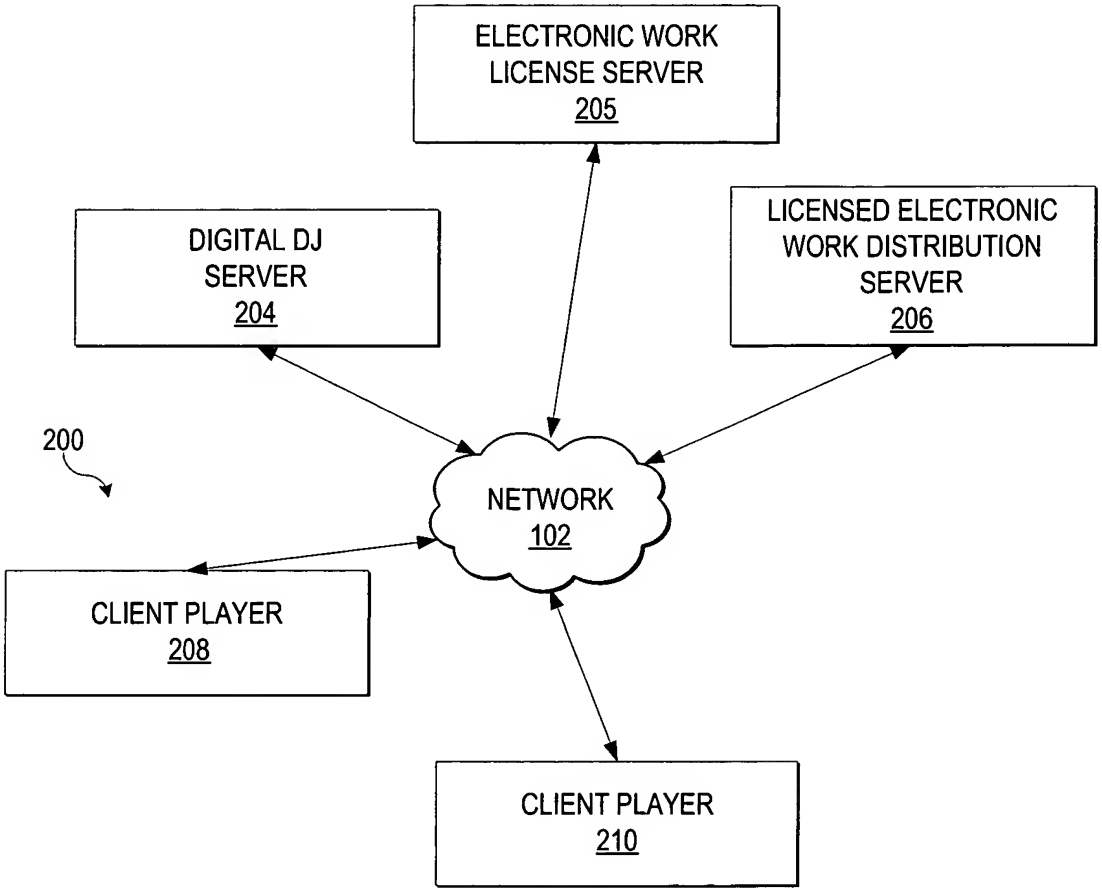
ELECTRONIC WORK LICENSE SERVER 205
DIGITAL DJ SERVER 204
LICENSED ELECTRONIC WORK DISTRIBUTION SERVER 206
200
NETWORK 102
CLIENT PLAYER 208
CLIENT PLAYER 210

Fig. 2

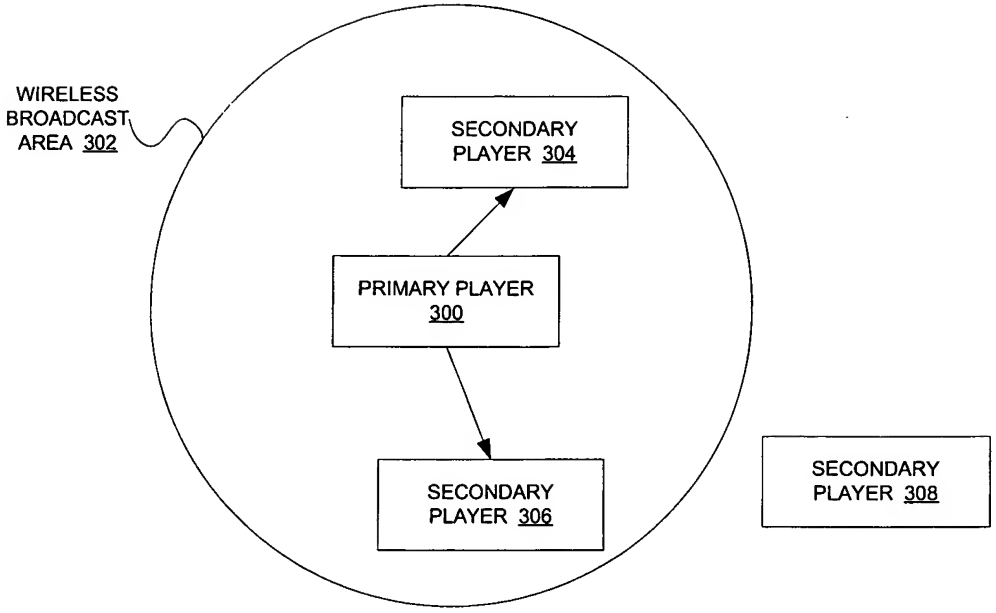
WIRELESS BROADCAST AREA 302
SECONDARY PLAYER 304
PRIMARY PLAYER 300
SECONDARY PLAYER 306
SECONDARY PLAYER 308

Fig. 3

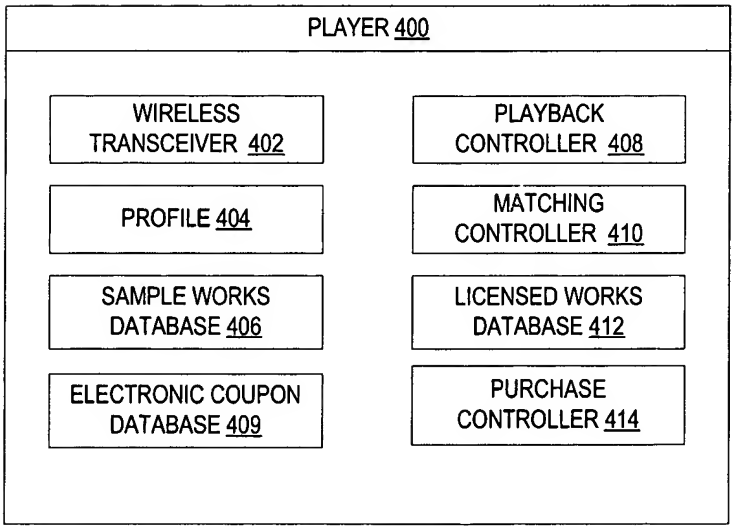
PLAYER 400
WIRELESS TRANSCEIVER 402
PLAYBACK CONTROLLER 408
PROFILE 404
MATCHING CONTROLLER 410
SAMPLE WORKS DATABASE 406
LICENSED WORKS DATABASE 412
ELECTRONIC COUPON DATABASE 409
PURCHASE CONTROLLER 414

Fig. 4

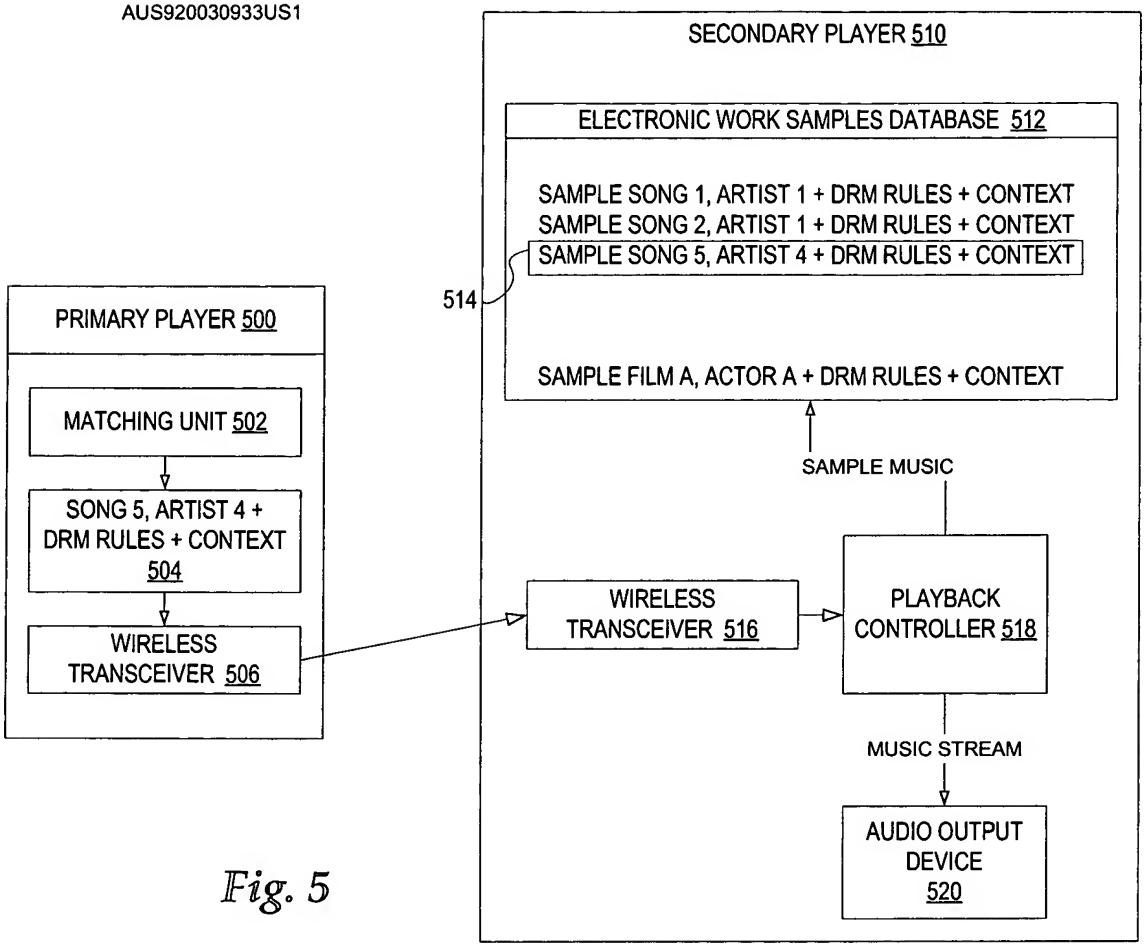
SECONDARY PLAYER 510
ELECTRONIC WORK SAMPLES DATABASE 512
SAMPLE SONG 1, ARTIST 1 + DRM RULES + CONTEXT
SAMPLE SONG 2, ARTIST 1 + DRM RULES + CONTEXT
SAMPLE SONG 5, ARTIST 4 + DRM RULES + CONTEXT
514
SAMPLE FILM A, ACTOR A + DRM RULES + CONTEXT
SAMPLE MUSIC
PRIMARY PLAYER 500
MATCHING UNIT 502
SONG 5, ARTIST 4 + DRM RULES + CONTEXT 504
WIRELESS TRANSCEIVER 506
WIRELESS TRANSCEIVER 516
PLAYBACK CONTROLLER 518
MUSIC STREAM
AUDIO OUTPUT DEVICE 520

Fig. 5

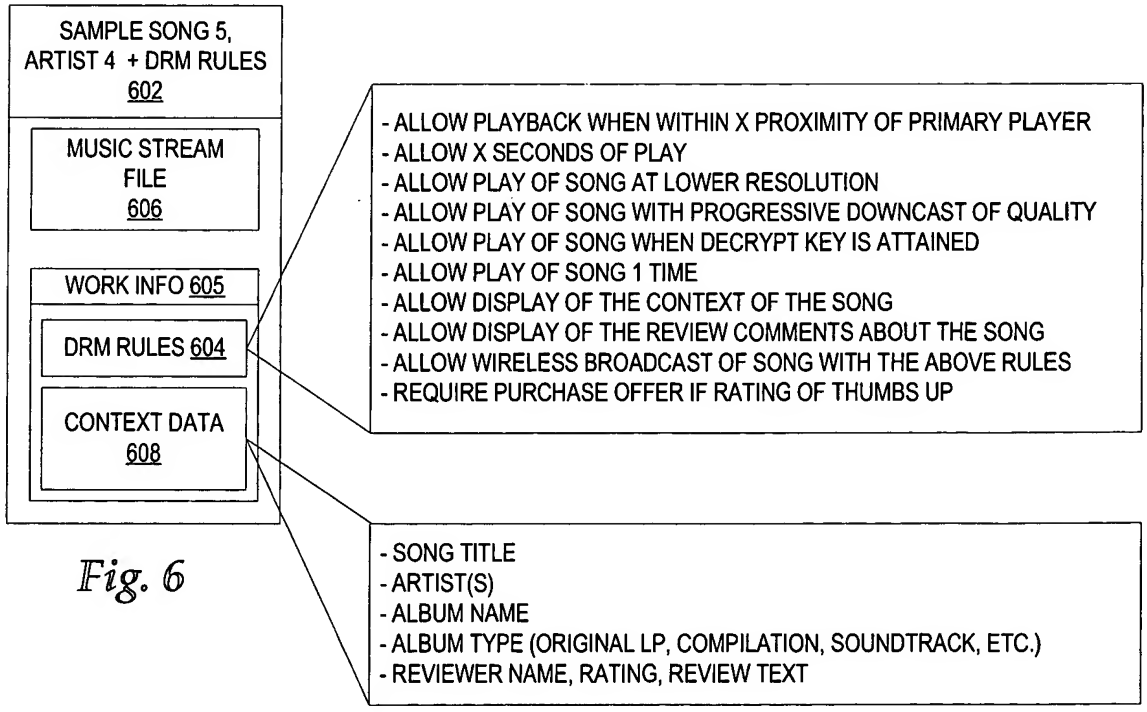
SAMPLE SONG 5, ARTIST 4 + DRM RULES 602
MUSIC STREAM FILE 606
WORK INFO 605
DRM RULES 604
CONTEXT DATA 608
- ALLOW PLAYBACK WHEN WITHIN X PROXIMITY OF PRIMARY PLAYER
- ALLOW X SECONDS OF PLAY
- ALLOW PLAY OF SONG AT LOWER RESOLUTION
- ALLOW PLAY OF SONG WITH PROGRESSIVE DOWNCAST OF QUALITY
- ALLOW PLAY OF SONG WHEN DECRYPT KEY IS ATTAINED
- ALLOW PLAY OF SONG 1 TIME
- ALLOW DISPLAY OF THE CONTEXT OF THE SONG
- ALLOW DISPLAY OF THE REVIEW COMMENTS ABOUT THE SONG
- ALLOW WIRELESS BROADCAST OF SONG WITH THE ABOVE RULES
- REQUIRE PURCHASE OFFER IF RATING OF THUMBS UP
- SONG TITLE
- ARTIST(S)
- ALBUM NAME
- ALBUM TYPE (ORIGINAL LP, COMPILATION, SOUNDTRACK, ETC.)
- REVIEWER NAME, RATING, REVIEW TEXT

Fig. 6

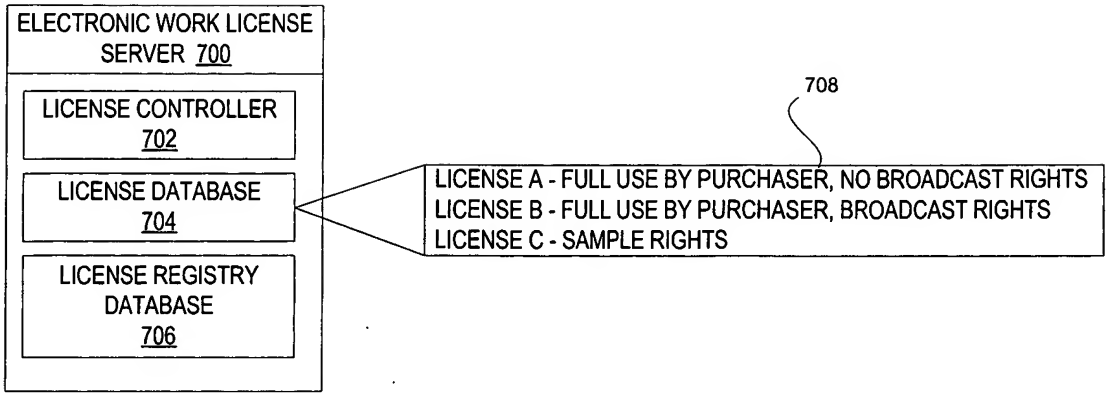

Fig. 7

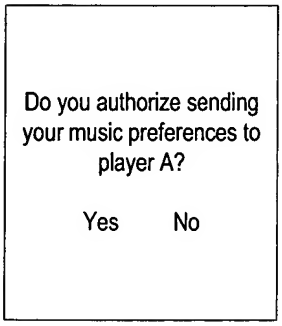

Fig. 8A

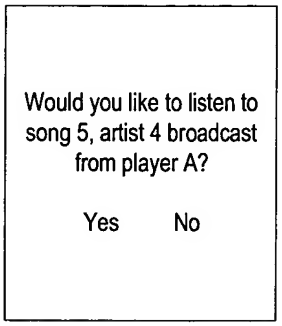

Fig. 8B

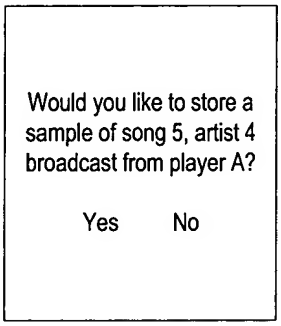

Fig. 8C

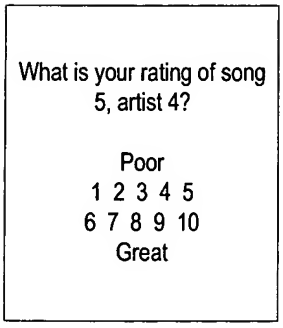

Fig. 8D

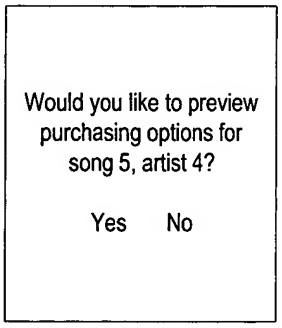

Fig. 8E

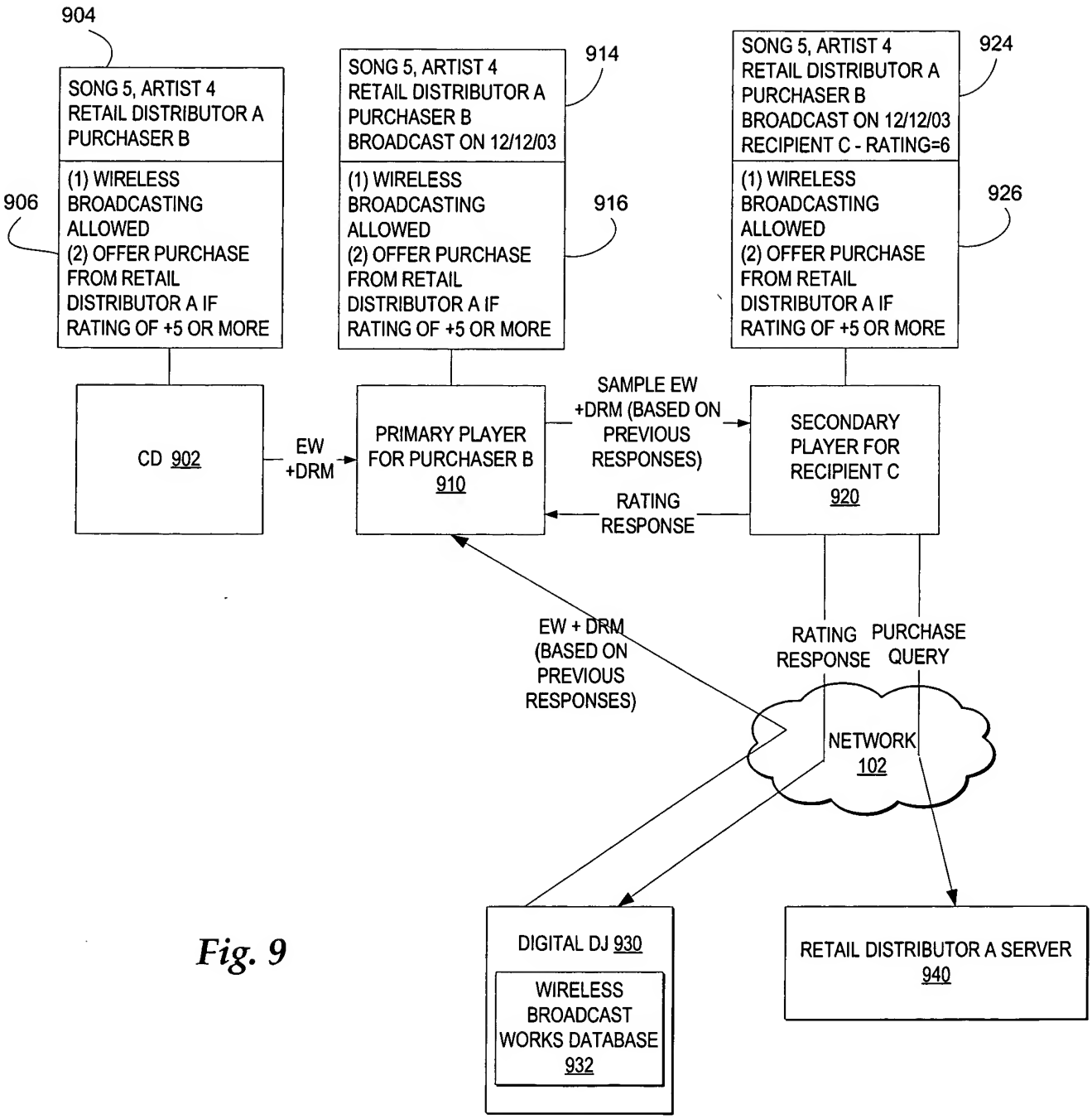
904
SONG 5, ARTIST 4
RETAIL DISTRIBUTOR A
PURCHASER B
(1) WIRELESS BROADCASTING ALLOWED
(2) OFFER PURCHASE FROM RETAIL DISTRIBUTOR A IF RATING OF +5 OR MORE
906
914
SONG 5, ARTIST 4
RETAIL DISTRIBUTOR A
PURCHASER B
BROADCAST ON 12/12/03
(1) WIRELESS BROADCASTING ALLOWED
(2) OFFER PURCHASE FROM RETAIL DISTRIBUTOR A IF RATING OF +5 OR MORE
916
924
SONG 5, ARTIST 4
RETAIL DISTRIBUTOR A
PURCHASER B
BROADCAST ON 12/12/03
RECIPIENT C - RATING=6
(1) WIRELESS BROADCASTING ALLOWED
(2) OFFER PURCHASE FROM RETAIL DISTRIBUTOR A IF RATING OF +5 OR MORE
926
CD 902
EW +DRM
PRIMARY PLAYER FOR PURCHASER B 910
SAMPLE EW +DRM (BASED ON PREVIOUS RESPONSES)
RATING RESPONSE
SECONDARY PLAYER FOR RECIPIENT C 920
EW + DRM (BASED ON PREVIOUS RESPONSES)
RATING RESPONSE
PURCHASE QUERY
NETWORK 102
DIGITAL DJ 930
WIRELESS BROADCAST WORKS DATABASE 932
RETAIL DISTRIBUTOR A SERVER 940

Fig. 9

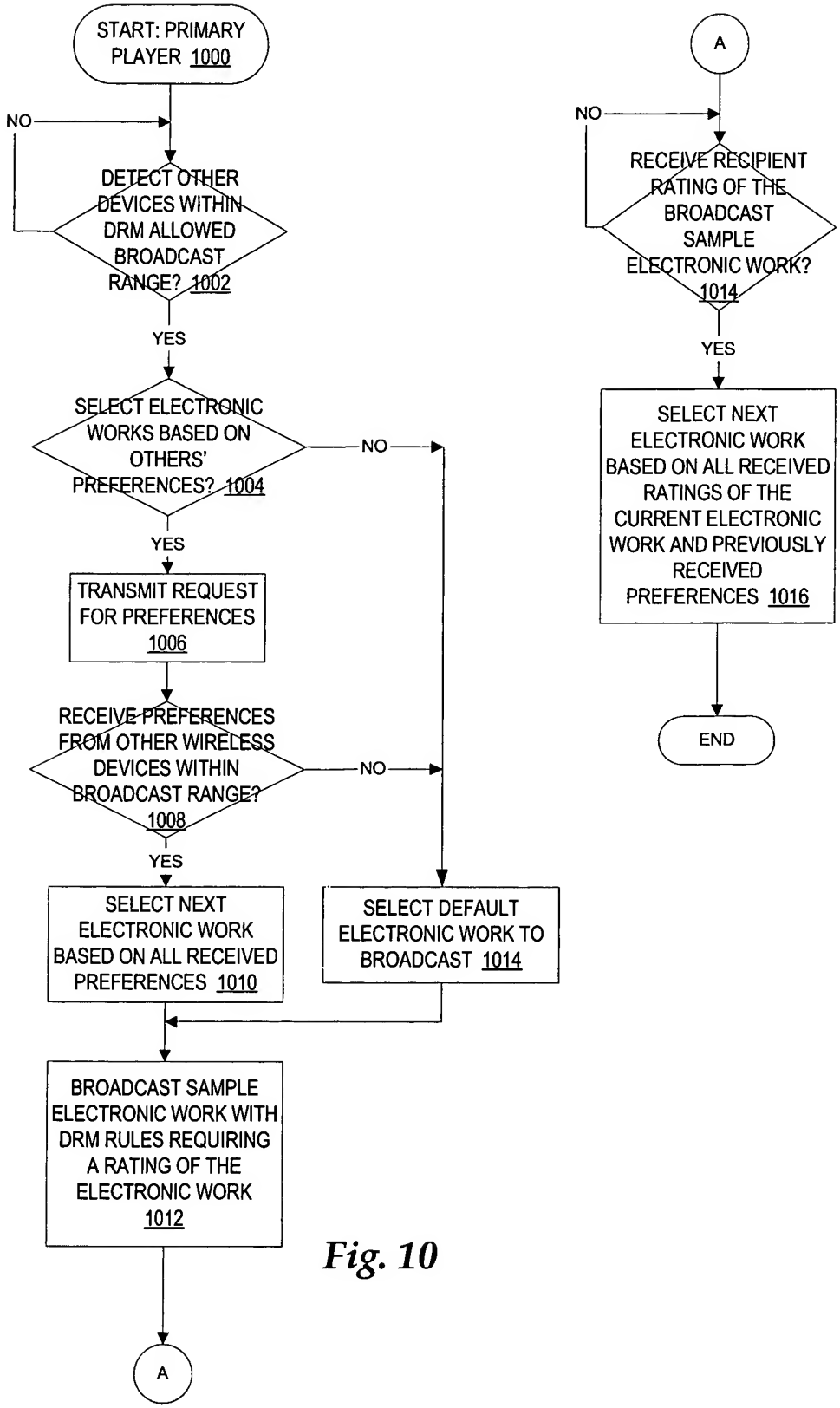
START: PRIMARY PLAYER 1000
NO
DETECT OTHER DEVICES WITHIN DRM ALLOWED BROADCAST RANGE? 1002
YES
SELECT ELECTRONIC WORKS BASED ON OTHERS' PREFERENCES? 1004
NO
YES
TRANSMIT REQUEST FOR PREFERENCES 1006
RECEIVE PREFERENCES FROM OTHER WIRELESS DEVICES WITHIN BROADCAST RANGE? 1008
NO
YES
SELECT NEXT ELECTRONIC WORK BASED ON ALL RECEIVED PREFERENCES 1010
SELECT DEFAULT ELECTRONIC WORK TO BROADCAST 1014
BROADCAST SAMPLE ELECTRONIC WORK WITH DRM RULES REQUIRING A RATING OF THE ELECTRONIC WORK 1012
A
A
NO
RECEIVE RECIPIENT RATING OF THE BROADCAST SAMPLE ELECTRONIC WORK? 1014
YES
SELECT NEXT ELECTRONIC WORK BASED ON ALL RECEIVED RATINGS OF THE CURRENT ELECTRONIC WORK AND PREVIOUSLY RECEIVED PREFERENCES 1016
END

Fig. 10

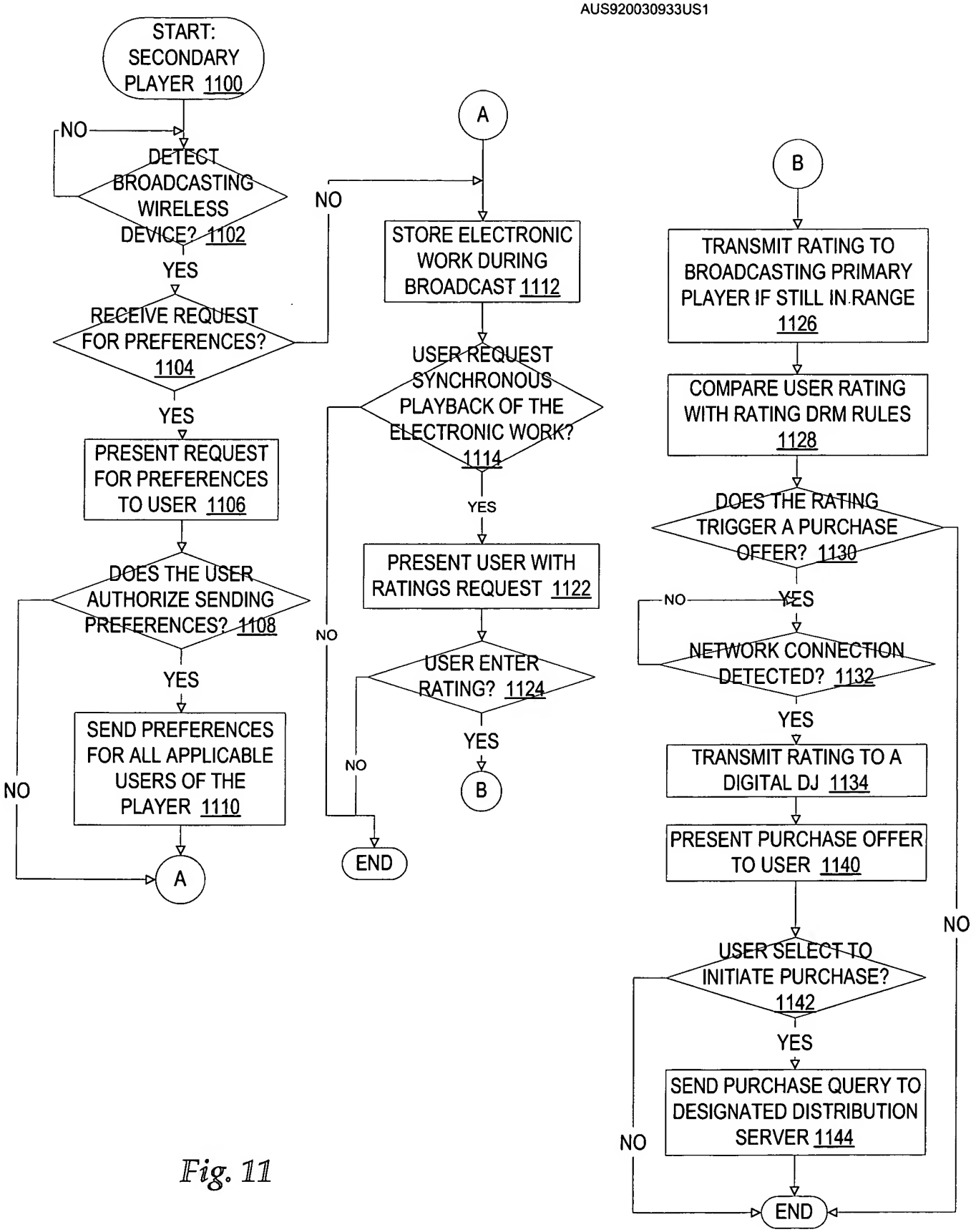
START: SECONDARY PLAYER 1100
NO
DETECT BROADCASTING WIRELESS DEVICE? 1102
YES
RECEIVE REQUEST FOR PREFERENCES? 1104
NO
YES
PRESENT REQUEST FOR PREFERENCES TO USER 1106
DOES THE USER AUTHORIZE SENDING PREFERENCES? 1108
NO
YES
SEND PREFERENCES FOR ALL APPLICABLE USERS OF THE PLAYER 1110
A
A
NO
STORE ELECTRONIC WORK DURING BROADCAST 1112
USER REQUEST SYNCHRONOUS PLAYBACK OF THE ELECTRONIC WORK? 1114
NO
YES
PRESENT USER WITH RATINGS REQUEST 1122
USER ENTER RATING? 1124
NO
YES
B
END
B
TRANSMIT RATING TO BROADCASTING PRIMARY PLAYER IF STILL IN RANGE 1126
COMPARE USER RATING WITH RATING DRM RULES 1128
DOES THE RATING TRIGGER A PURCHASE OFFER? 1130
NO
YES
NETWORK CONNECTION DETECTED? 1132
YES
TRANSMIT RATING TO A DIGITAL DJ 1134
PRESENT PURCHASE OFFER TO USER 1140
NO
USER SELECT TO INITIATE PURCHASE? 1142
YES
SEND PURCHASE QUERY TO DESIGNATED DISTRIBUTION SERVER 1144
NO
END

Fig. 11

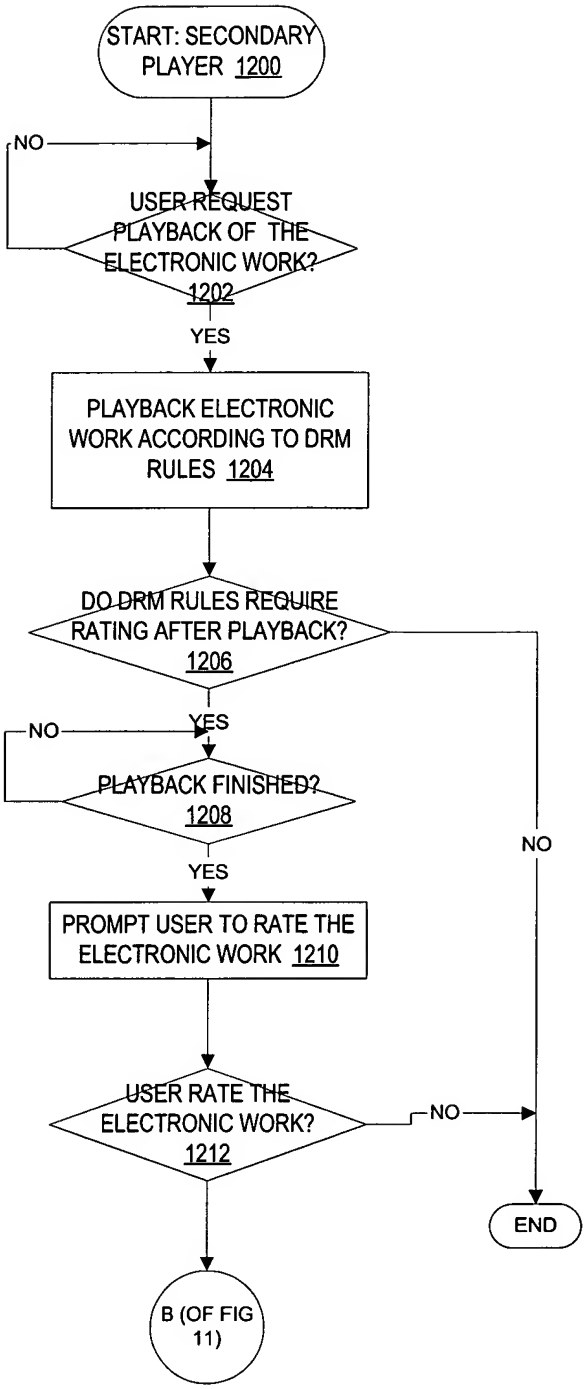
START: SECONDARY PLAYER 1200
NO
USER REQUEST PLAYBACK OF THE ELECTRONIC WORK? 1202
YES
PLAYBACK ELECTRONIC WORK ACCORDING TO DRM RULES 1204
DO DRM RULES REQUIRE RATING AFTER PLAYBACK? 1206
YES
NO
PLAYBACK FINISHED? 1208
NO
YES
PROMPT USER TO RATE THE ELECTRONIC WORK 1210
USER RATE THE ELECTRONIC WORK? 1212
NO
END
B (OF FIG 11)

Fig. 12